

SEQUENCE LISTING

<110> HONJO, TASUKU
KATO, KEIZO
TADA, HIDEAKI

<120> POLYPEPTIDE, cDNA ENCODING THE SAME, AND USE OF THEM

<130> Q58771

<140> 09/529,064

<141> 2000-04-07

<150> PCT/JP98/04515

<151> 1998-10-06

<150> HEI-9-274673

<151> 1997-10-07

<160> 28

<170> PatentIn Ver. 2.1

<210> 1

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<212> PRT

<213> Mus musculus

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Ser Tyr Ser Tyr Cys Asp His Leu Lys Phe Pro Ile Ser Ile Ser Ser
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Glu Pro Cys Ile Arg Leu Arg Gly Thr Asn Gly Phe Val His Val Glu
35 40 45

Phe Ile Pro Arg Gly Asn Leu Lys Tyr Leu Tyr Phe Asn Leu Phe Ile
50 55 60

Ser Val Asn Ser Ile Glu Leu Pro Lys Arg Lys Glu Val Leu Cys His
65 70 75 80

Gly His Asp Asp Asp Tyr Ser Phe Cys Arg Ala Leu Lys Gly Glu Thr
85 90 95

Val Asn Thr Ser Ile Pro Phe Ser Phe Glu Gly Ile Leu Phe Pro Lys
100 105 110

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tcc tcc gat gca att att tcc tac agt tat tgt gat cac ttg aaa ttc 148
 Ser Ser Asp Ala Ile Ile Ser Tyr Ser Tyr Cys Asp His Leu Lys Phe
 15 20 25

cct att tca att agt tct gaa ccc tgc ata aga ctg agg gga acc aat 196
 Pro Ile Ser Ile Ser Ser Glu Pro Cys Ile Arg Leu Arg Gly Thr Asn
 30 35 40

gga ttt gtg cat gtt gag ttc att cca aga gga aac tta aaa tat tta 244
 Gly Phe Val His Val Glu Phe Ile Pro Arg Gly Asn Leu Lys Tyr Leu
 45 50 55

tat ttc aac cta ttc atc agt gtc aac tcc ata gag ttg ccg aag cgt 292
 Tyr Phe Asn Leu Phe Ile Ser Val Asn Ser Ile Glu Leu Pro Lys Arg
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aag gaa gtt ctg tgc cat gga cat gat gat gac tat tct ttt tgc aga 340
 Lys Glu Val Leu Cys His Gly His Asp Asp Asp Tyr Ser Phe Cys Arg
 75 80 85 90

gct ctg aaa gga gag act gtg aat aca tca ata cca ttc tct ttc gag 388
 Ala Leu Lys Gly Glu Thr Val Asn Thr Ser Ile Pro Phe Ser Phe Glu
 95 100 105

gga ata cta ttt cct aag ggc cat tac aga tgt gtt gca gaa gct att 436
 Gly Ile Leu Phe Pro Lys Gly His Tyr Arg Cys Val Ala Glu Ala Ile
 110 115 120

gct ggg gat act gaa gaa aag ctc ttc tgt ttg aat ttc acc atc att 484
 Ala Gly Asp Thr Glu Glu Lys Leu Phe Cys Leu Asn Phe Thr Ile Ile
 125 130 135

cac cgc cgt gat gtc aat tagaatatgc tgaatacaca cacacacaca 532
 His Arg Arg Asp Val Asn
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 <213> Mus musculus

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 1 5 10 15

Ser Tyr Ser Tyr Cys Asp His Leu Lys Phe Pro Ile Ser Ile Ser Ser
 20 25 30

Glu Pro Cys Ile Arg Leu Arg Gly Thr Asn Gly Phe Val His Val Glu
 35 40 45

Phe Ile Pro Arg Gly Asn Leu Lys Tyr Leu Tyr Phe Asn Leu Phe Ile
 50 55 60

Ser Val Asn Ser Ile Glu Leu Pro Lys Arg Lys Glu Val Leu Cys His
 65 70 75 80

Gly His Asp Asp Asp Tyr Ser Phe Cys Arg Ala Leu Lys Gly Gly Tyr
 85 90 95

Ala Ile

tat	ttc	aac	cta	ttc	atc	agt	gtc	aac	tcc	ata	gag	ttg	ccg	aag	cgt	292
Tyr	Phe	Asn	Leu	Phe	Ile	Ser	Val	Asn	Ser	Ile	Glu	Leu	Pro	Lys	Arg	
	60					65					70					

aag gaa gtt ctg tgc cat gga cat gat gat gac tat tct ttt tgc aga 340
 Lys Glu Val Leu Cys His Gly His Asp Asp Asp Tyr Ser Phe Cys Arg
 75 80 85 90

gct ctg aaa gga gga tat gct att tagaaaaatat gagactgtga atacatcaat 394
 Ala Leu Lys Gly Gly Tyr Ala Ile
 95

accattctct ttcgagggaa tactattttcc taagggccat tacagatgtg ttgcagaagc 454
 tattgctggg gatactgaag aaaagctctt ctgtttgaat ttcaccatca ttcaccgccg 514
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<212> PRT

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 1 5 10 15

Ser Tyr Thr Tyr Cys Asp Lys Met Gln Tyr Pro Ile Ser Ile Asn Val
 20 25 30

Asn Pro Cys Ile Glu Leu Lys Gly Ser Lys Gly Leu Leu His Ile Phe
 35 40 45

Tyr Ile Pro Arg Arg Asp Leu Lys Gln Leu Tyr Phe Asn Leu Tyr Ile
 50 55 60

Thr Val Asn Thr Met Asn Leu Pro Lys Arg Lys Glu Val Ile Cys Arg
 65 70 75 80

Gly Ser Asp Asp Asp Tyr Ser Phe Cys Arg Ala Leu Lys Gly Glu Thr
 85 90 95

Val Asn Thr Thr Ile Ser Phe Ser Phe Lys Gly Ile Lys Phe Ser Lys
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Gly Lys Tyr Lys Cys Val Val Glu Ala Ile Ser Gly Ser Pro Glu Glu
 115 120 125

Met Leu Phe Cys Leu Glu Phe Val Ile Leu His Gln Pro Asn Ser Asn
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<212> DNA

<213> Homo sapiens

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caatacccaa tttcaattaa tgtaaaccac tgtatagaat tgaaaggatc caaaggatta 180
ttgcacattt tctacattcc aaggagagat ttaaagcaat tatatttcaa tctctatata 240
actgtcaaca ccatgaatct tccaaagcgc aaagaagtta tttgccgagg atctgatgac 300
gattactctt tttgcagagc tctgaagga gagactgtga atacaacaat atcattctcc 360
ttcaagggaa taaaattttc taagggaata tacaatgtg ttgttgaagc tatttctggg 420
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ttt tct tcc ata ttt act gaa gct cag aag cag tat tgg gtc tgc aac 99
Phe Ser Ser Ile Phe Thr Glu Ala Gln Lys Gln Tyr Trp Val Cys Asn
-5              -1 1              5              10

tca tcc gat gca agt att tca tac acc tac tgt gat aaa atg caa tac 147
Ser Ser Asp Ala Ser Ile Ser Tyr Thr Tyr Cys Asp Lys Met Gln Tyr
              15              20              25

cca att tca att aat gtt aac ccc tgt ata gaa ttg aaa gga tcc aaa 195
Pro Ile Ser Ile Asn Val Asn Pro Cys Ile Glu Leu Lys Gly Ser Lys
              30              35              40

gga tta ttg cac att ttc tac att cca agg aga gat tta aag caa tta 243
Gly Leu Leu His Ile Phe Tyr Ile Pro Arg Arg Asp Leu Lys Gln Leu
              45              50              55

tat ttc aat ctc tat ata act gtc aac acc atg aat ctt cca aag cgc 291
Tyr Phe Asn Leu Tyr Ile Thr Val Asn Thr Met Asn Leu Pro Lys Arg
              60              65              70

aaa gaa gtt att tgc cga gga tct gat gac gat tac tct ttt tgc aga 339
Lys Glu Val Ile Cys Arg Gly Ser Asp Asp Asp Tyr Ser Phe Cys Arg
              75              80              85              90

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gct ctg aag gga gag act gtg aat aca aca ata tca ttc tcc ttc aag 387
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 95 100 105

gga ata aaa ttt tct aag gga aaa tac aaa tgt gtt gtt gaa gct att 435
 Gly Ile Lys Phe Ser Lys Gly Lys Tyr Lys Cys Val Val Glu Ala Ile
 110 115 120

tct ggg agc cca gaa gaa atg ctc ttt tgc ttg gag ttt gtc atc cta 483
 Ser Gly Ser Pro Glu Glu Met Leu Phe Cys Leu Glu Phe Val Ile Leu
 125 130 135

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 15 20 25

Gln Asp Phe Gly Leu Ser Ile Asp Gln Cys Ser Lys Gln Ile Gln Ser
 30 35 40 45

Asn Leu Asn Ile Arg Phe Gly Ile Ile Leu Arg Gln Asp Ile Arg Lys
 50 55 60

Leu Phe Leu Asp Ile Thr Leu Met Ala Lys Gly Ser Ser Ile Leu Asn
 65 70 75

Tyr Ser Tyr Pro Leu Cys Glu Glu Asp Gln Pro Lys Phe Ser Phe Cys
 80 85 90

Gly Arg Arg Lys Gly Glu Gln Ile Tyr Tyr Ala Gly Pro Val Asn Asn
 95 100 105

Pro Gly Leu Asp Val Pro Gln Gly Glu Tyr Gln Leu Leu Leu Glu Leu
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Tyr Asn Glu Asn Arg Ala Thr Val Ala Cys Ala Asn Ala Thr Val Thr
 130 135 140

Ser Ser

<210> 11
 <211> 486

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<212> DNA

<213> Mus musculus

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gtctaccaga gctgtgatcc cttacaggat tttggccttt ccattgacca gtgttccaag 180
cagatccaat caaatctcaa cattagattt ggcattcattc tgagacagga tatcagaaag 240
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Met Asn Gly Val Ala Ala Ala Leu
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ctt gtg tgg att ctg act tct ccg agc agc agt gac cat ggc agc gaa 162
Leu Val Trp Ile Leu Thr Ser Pro Ser Ser Ser Asp His Gly Ser Glu
-10 -5 -1 1 5

aat ggt tgg ccc aag cac acg gcc tgc aac agt ggg ggc ttg gaa gta 210
Asn Gly Trp Pro Lys His Thr Ala Cys Asn Ser Gly Gly Leu Glu Val
10 15 20

gtc tac cag agc tgt gat ccc tta cag gat ttt ggc ctt tcc att gac 258
Val Tyr Gln Ser Cys Asp Pro Leu Gln Asp Phe Gly Leu Ser Ile Asp
25 30 35

cag tgt tcc aag cag atc caa tca aat ctc aac att aga ttt ggc atc 306
Gln Cys Ser Lys Gln Ile Gln Ser Asn Leu Asn Ile Arg Phe Gly Ile
40 45 50

att ctg aga cag gat atc aga aag ctg ttt ctg gac ata act ctg atg 354
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55 60 65

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Cys Ser Asp Ser Gly Leu Glu Val Leu Tyr Gln Ser Cys Asp Pro Leu
          15                      20                      25

Gln Asp Phe Gly Phe Ser Val Glu Lys Cys Ser Lys Gln Leu Lys Ser
          30                      35                      40

Asn Ile Asn Ile Arg Phe Gly Ile Ile Leu Arg Glu Asp Ile Lys Glu
          45                      50                      55                      60

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Leu Phe Leu Asp Leu Ala Leu Met Ser Gln Gly Ser Ser Val Leu Asn
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 Phe Ser Tyr Pro Ile Cys Glu Ala Ala Leu Pro Lys Phe Ser Phe Cys
 80 85 90
 Gly Arg Arg Lys Gly Glu Gln Ile Tyr Tyr Ala Gly Pro Val Asn Asn
 95 100 105
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 Tyr Thr Glu Lys Arg Ser Thr Val Ala Cys Ala Asn Ala Thr Ile Met
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 Cys Ser

<210> 14
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 <213> Homo sapiens

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 ctctaccaga gttgcgatcc attacaagat tttggctttt ctggtgaaaa gtgttccaag 180
 caattaaaat caaatatcaa cattagattt ggaattattc tgagagagga catcaaagag 240
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 tactatgctg ggctgtcaa taatcctgaa ttactattc ctcagggaga ataccagggt 420
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 Leu Ile Phe Pro Ser Cys Ser Gly Gly Gly Gly Gly Lys Ala Trp Pro
 -5 -1 1 5

aca cac gtg gtc tgt agc gac agc ggc ttg gaa gtg ctc tac cag agt 147
 Thr His Val Val Cys Ser Asp Ser Gly Leu Glu Val Leu Tyr Gln Ser
 10 15 20

tgc gat cca tta caa gat ttt ggc ttt tct gtt gaa aag tgt tcc aag 195
 Cys Asp Pro Leu Gln Asp Phe Gly Phe Ser Val Glu Lys Cys Ser Lys
 25 30 35 40

caa tta aaa tca aat atc aac att aga ttt gga att att ctg aga gag 243
 Gln Leu Lys Ser Asn Ile Asn Ile Arg Phe Gly Ile Ile Leu Arg Glu
 45 50 55

gac atc aaa gag ctt ttt ctt gac cta gct ctc atg tct caa ggc tca 291
 Asp Ile Lys Glu Leu Phe Leu Asp Leu Ala Leu Met Ser Gln Gly Ser
 60 65 70

tct gtt ttg aat ttc tcc tat ccc atc tgt gag gcg gct ctg ccc aag 339
 Ser Val Leu Asn Phe Ser Tyr Pro Ile Cys Glu Ala Ala Leu Pro Lys
 75 80 85

ttt tct ttc tgt gga aga agg aaa gga gag cag att tac tat gct ggg 387
 Phe Ser Phe Cys Gly Arg Arg Lys Gly Glu Gln Ile Tyr Tyr Ala Gly
 90 95 100

cct gtc aat aat cct gaa ttt act att cct cag gga gaa tac cag gtt 435
 Pro Val Asn Asn Pro Glu Phe Thr Ile Pro Gln Gly Glu Tyr Gln Val
 105 110 115 120

ttg ctg gaa ctg tac act gaa aaa cgg tcc acc gtg gcc tgt gcc aat 483
 Leu Leu Glu Leu Tyr Thr Glu Lys Arg Ser Thr Val Ala Cys Ala Asn
 125 130 135

gct act atc atg tgc tcc tgactgtggc ctgtagcaaa aatcacagcc 531
 Ala Thr Ile Met Cys Ser
 140

agctgcatct cgtgggacct ccaagctcct ctgactgaac ctactgtggg aggagaagca 591
 gctgatgaca gagagaggct ctacaaagaa gcgcccccaa agagtgcagc tgctaatttt 651
 agtcccagga ccagacatcc ccagactcca cagatgtaat gaagtccccg aatgtatctg 711
 tttctaagga gcctcttggc agtccttaag cagtcttgag ggtccatcct ttttctctaa 771
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<213> Artificial Sequence

<220>
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<223> Description of Unknown Organism: 3' Race adapter
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<223> Description of Unknown Organism: Universal
Amplification primer

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<223> Description of Unknown Organism: Universal
Amplification primer

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<210> 26

<211> 30

<212> DNA

<213> Mus musculus

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<223> XbaI-mouse OHP106F primer

<400> 26

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30

<210> 27

<211> 59

<212> DNA

<213> Mus musculus

<220>

<223> XbaI-FLAG-mouse OHP106H primer

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<210> 28

<211> 53

<212> DNA

<213> Mus musculus

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<223> XbaI-6His-mouse OHP106H primer

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